



# What Can I Do with This Major?

## Mathematics

Mathematics is the study of shape, quantity, pattern, and arrangement. Math is all around us, in everything we do. It is the building block for everything in our daily lives, including mobile devices, computers, software, architecture, sports, and even art. Numbers, letters, and symbols constitute the language of mathematics and, as in any language, are used to convey ideas and relationships. Through courses such as Statistics, Linear Algebra, Calculus, and Differential Equations, students will enhance their problem solving and critical thinking while gaining a fundamental knowledge of Mathematics and its relation to science, technology, engineering, and the world.

## AVC Certificates & Degrees

- Mathematics Associate Degree for Transfer

## Examples of Work Industries & Employers

Think Tanks  
Manufacturing  
Aerospace  
Computer Science

Federal Government Agencies  
Consumer goods manufacturing firms  
Consulting firms  
Market research firms

Commercial banks  
Schools  
Colleges and universities  
Insurance

## Possible Job Titles *may require a bachelor's degree or higher*

Actuary  
Assessor  
Auditor  
Biometrician  
Budget Analyst  
Financial Analyst  
Investment Analyst  
Controller

Econometrician  
Engineering Analyst  
Data Scientist  
Epidemiologist  
Computer Programmer  
Demographer  
Financial Advisor

Management Scientist  
Mathematician  
Operations Researcher  
Statistician  
Urban Planner  
Professor  
K-12 Teacher